09985879 .110601

100

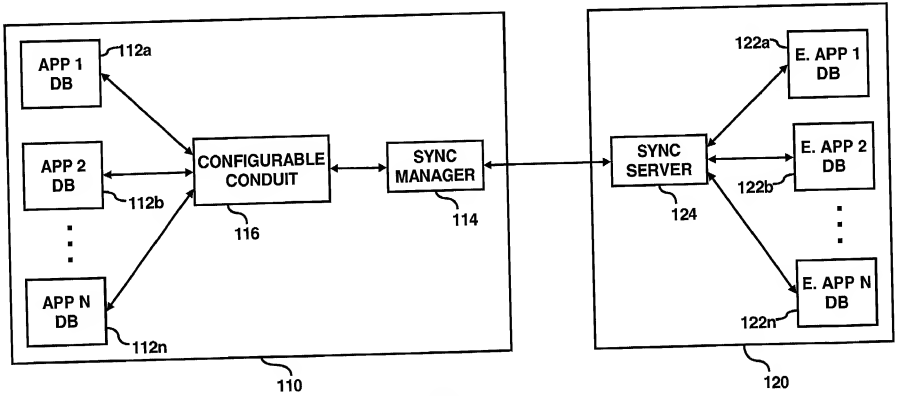

FIG. 1

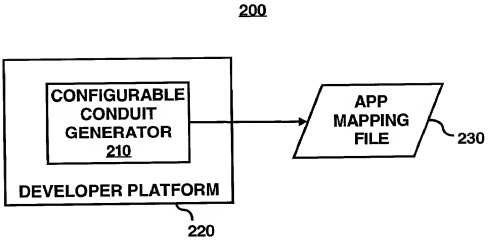
200
CONFIGURABLE CONDUIT GENERATOR 210
APP MAPPING FILE
230
DEVELOPER PLATFORM
220

FIG. 2

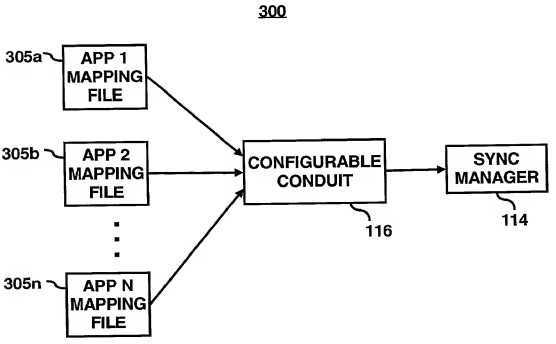
300
305a
APP 1 MAPPING FILE
305b
APP 2 MAPPING FILE
305n
APP N MAPPING FILE
CONFIGURABLE CONDUIT
116
SYNC MANAGER
114

FIG. 3

TD9DTT*6785B660

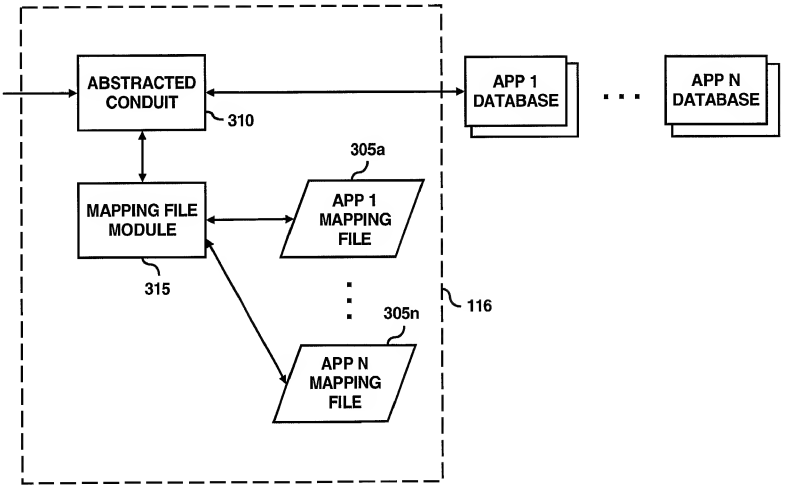

FIG. 3B

TD90TT*6285B660

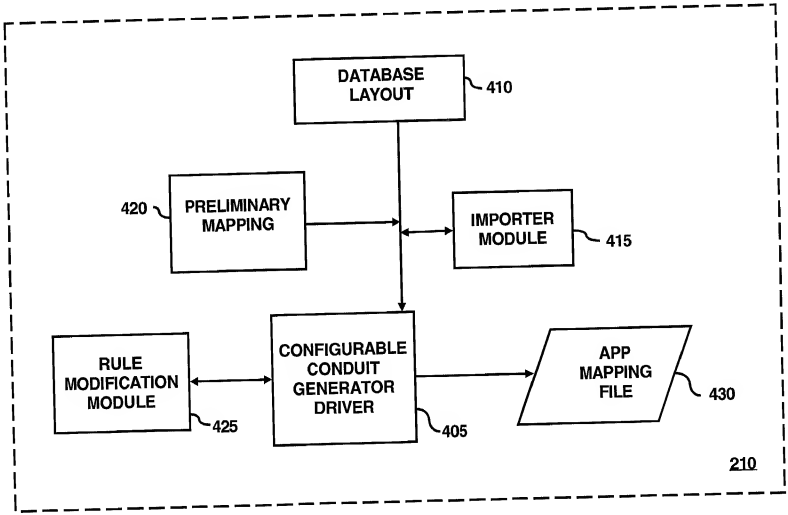

FIG. 4

FOSDTT 6285860

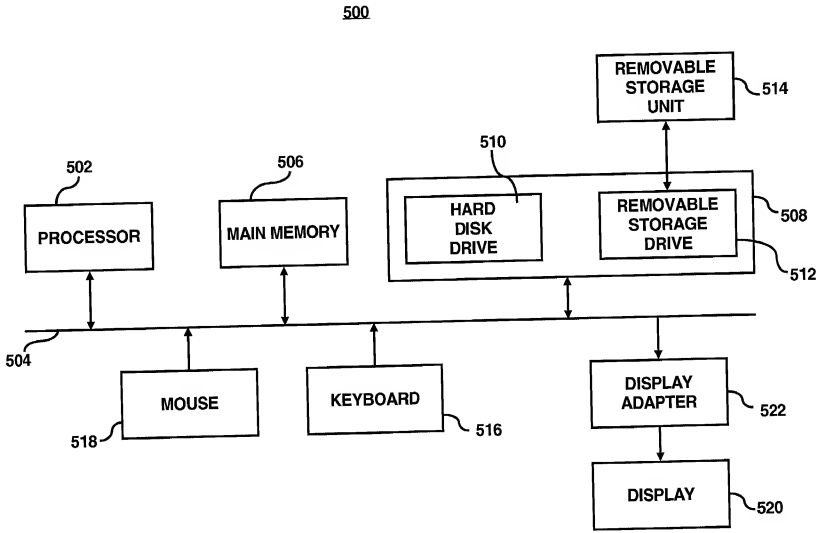

FIG. 5

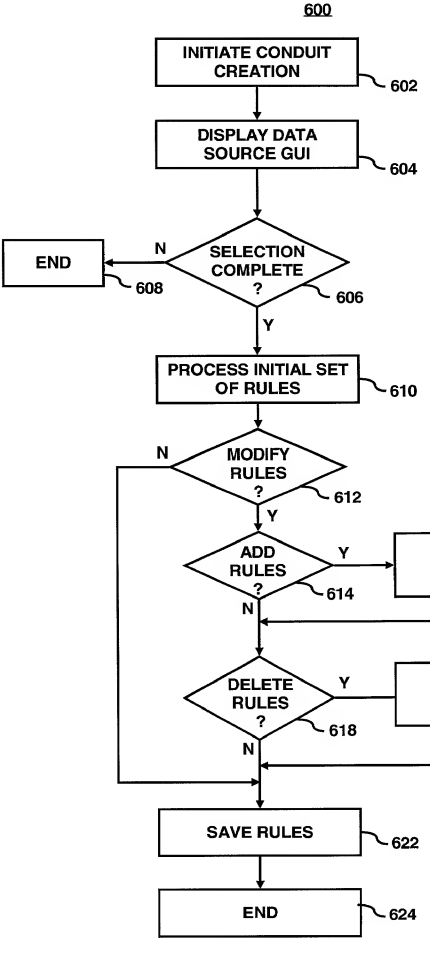
600
INITIATE CONDUIT CREATION
602
DISPLAY DATA SOURCE GUI
604
SELECTION COMPLETE ?
606
N
END
608
Y
PROCESS INITIAL SET OF RULES
610
MODIFY RULES ?
612
N
Y
ADD RULES ?
614
Y
INVOKE RULE MODIFICATION MODULE
616
N
DELETE RULES ?
618
Y
INVOKE RULE MODIFICATION MODULE
620
N
SAVE RULES
622
END
624

FIG. 6

09858679.110601

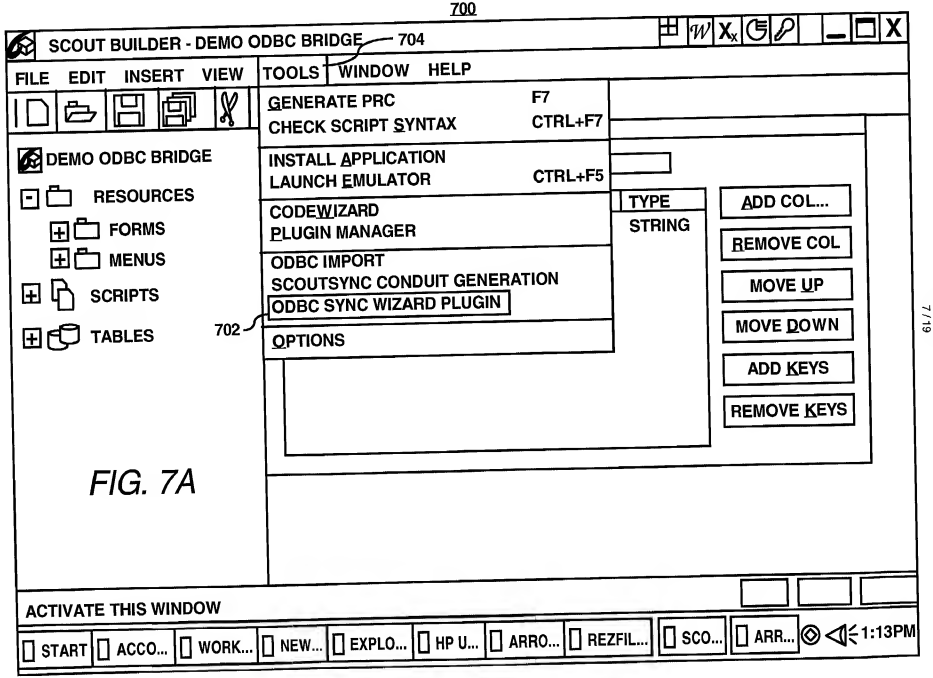

FIG. 7A

SYSTEM FOR A CONFIGURABLE OPEN DATABASE CONNECTIVITY CONDUIT
Joseph NARDONE et al.
003636.0089
7/19

09858629.110601

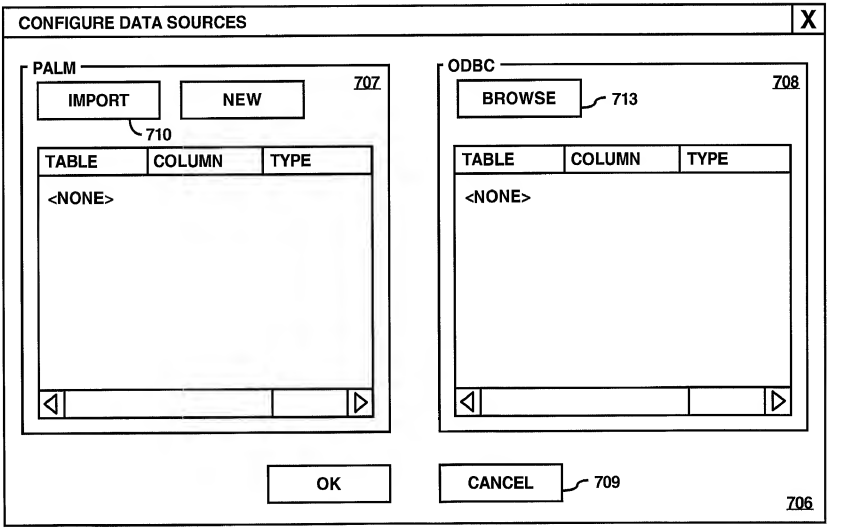

FIG. 7B

EXPRESS MAIL NO. EV 325356953

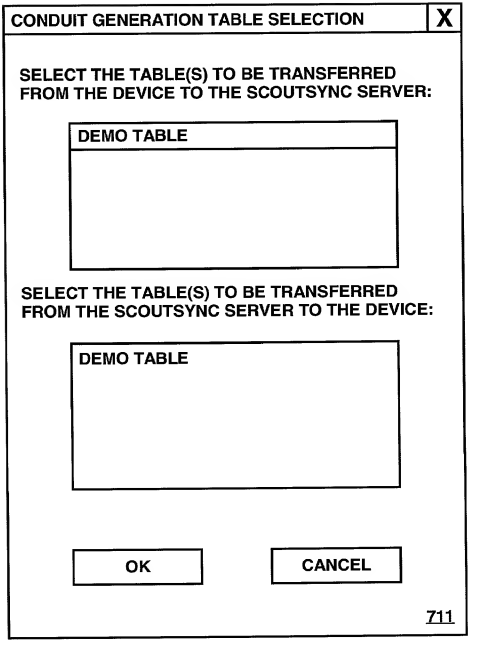

FIG. 7C

09858679 "110604

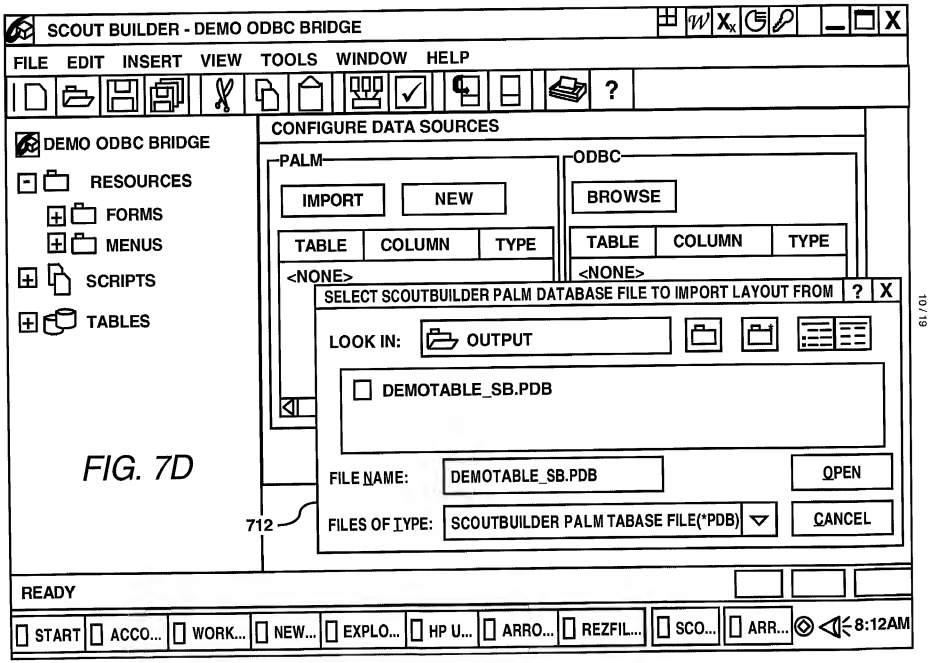

FIG. 7D

T89DTF'6Z858660

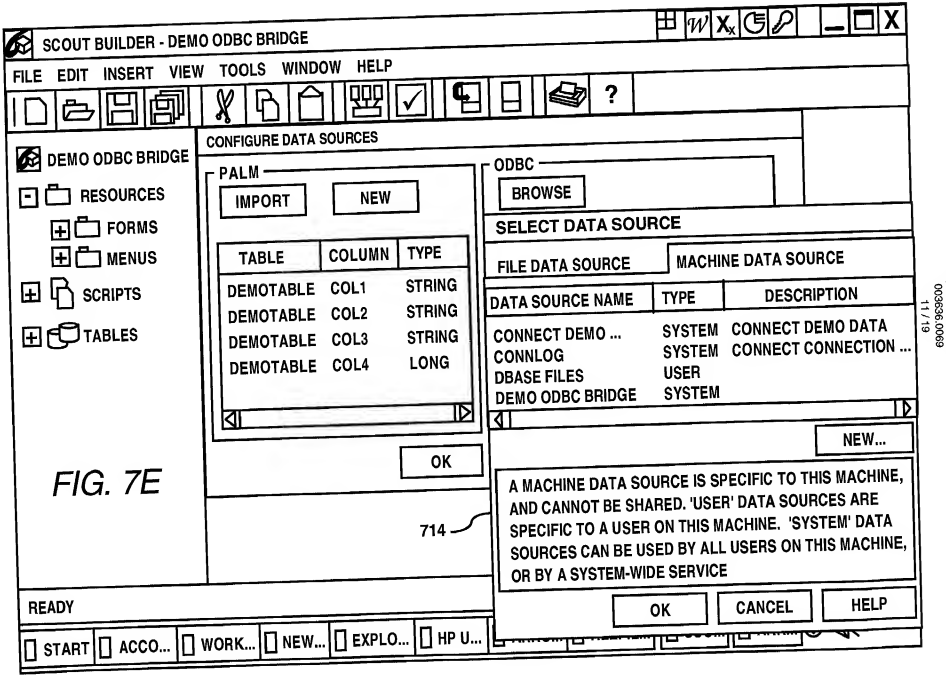

FIG. 7E

TD90TT*6785866

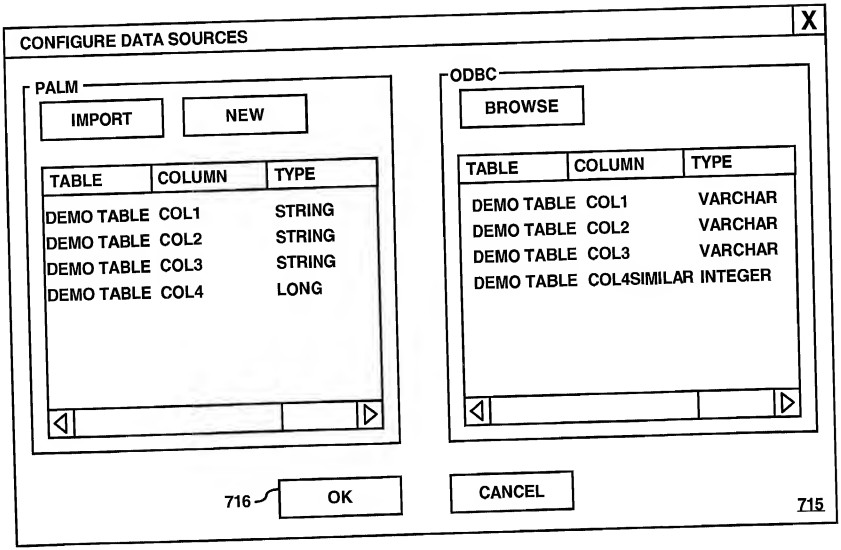

FIG. 7F

T09DTT' 6Z85B660

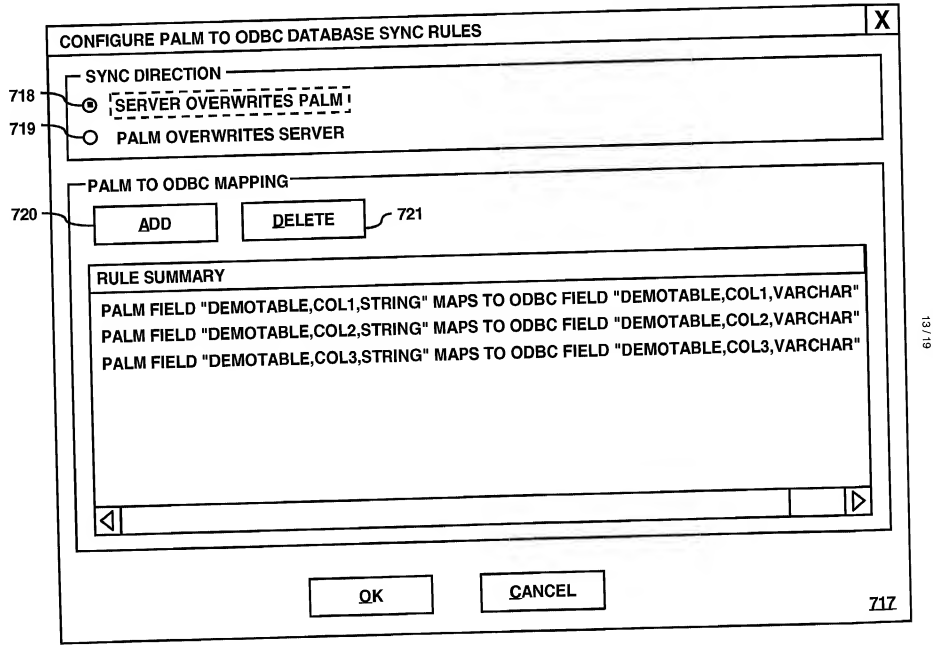

FIG. 7G

D9985879 .110601

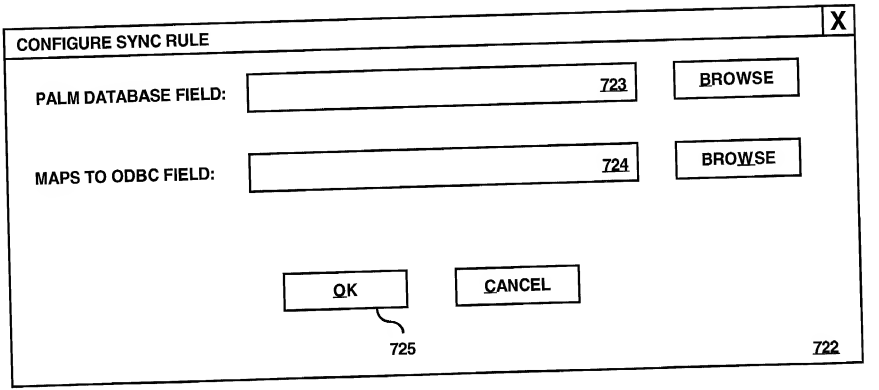

FIG. 7H

"090TT" 6285866D

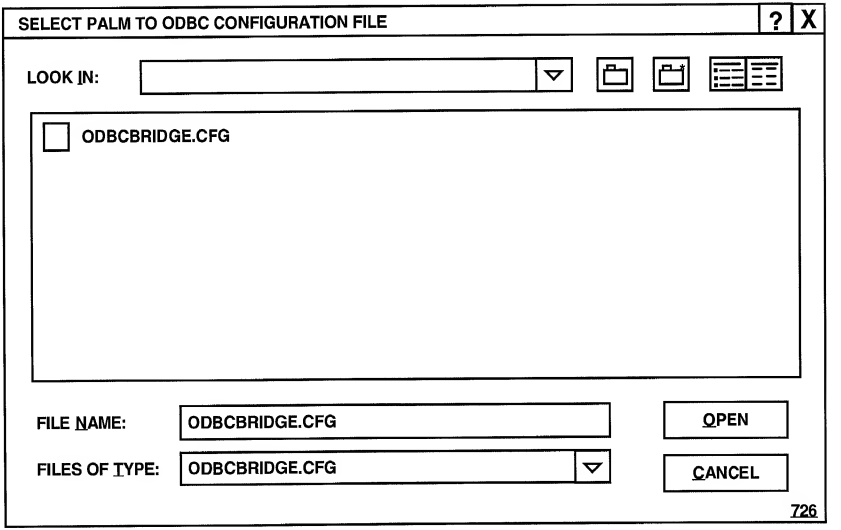

FIG. 7I

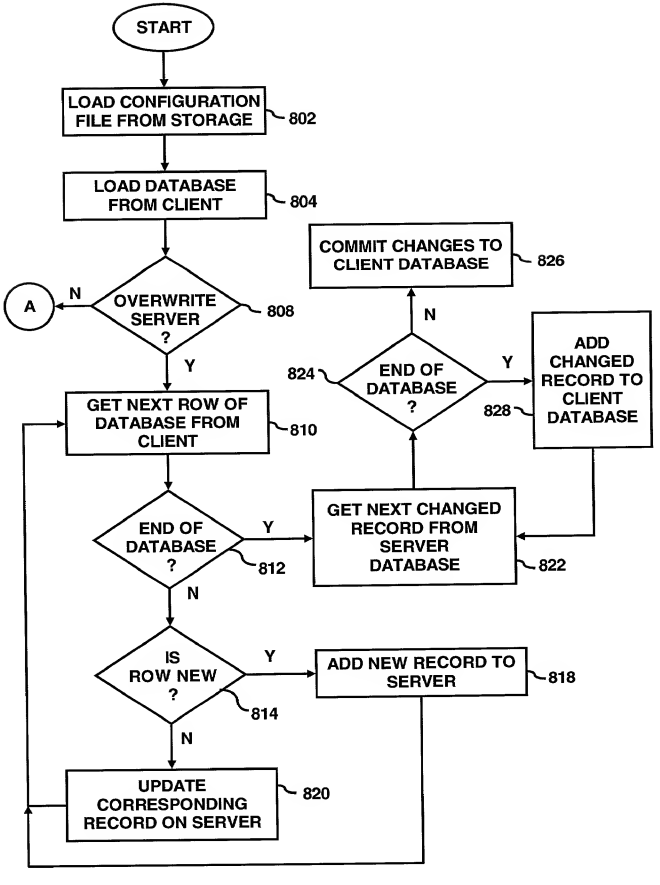
START
LOAD CONFIGURATION FILE FROM STORAGE
802
LOAD DATABASE FROM CLIENT
804
A
N
OVERWRITE SERVER ?
808
Y
GET NEXT ROW OF DATABASE FROM CLIENT
810
END OF DATABASE ?
812
Y
N
IS ROW NEW ?
814
Y
N
ADD NEW RECORD TO SERVER
818
UPDATE CORRESPONDING RECORD ON SERVER
820
GET NEXT CHANGED RECORD FROM SERVER DATABASE
822
END OF DATABASE ?
824
Y
N
ADD CHANGED RECORD TO CLIENT DATABASE
828
COMMIT CHANGES TO CLIENT DATABASE
826

FIG. 8A

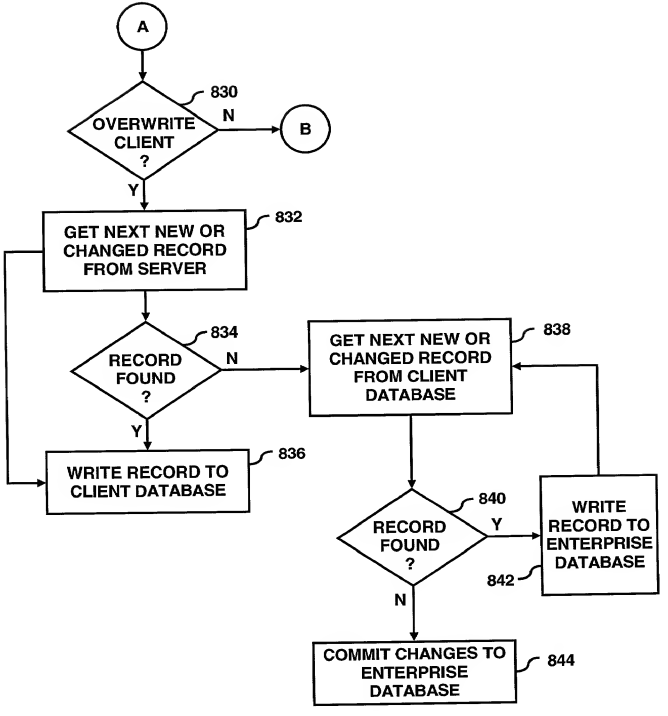
A
830
OVERWRITE CLIENT ?
N
B
Y
GET NEXT NEW OR CHANGED RECORD FROM SERVER
832
834
RECORD FOUND ?
N
GET NEXT NEW OR CHANGED RECORD FROM CLIENT DATABASE
838
Y
WRITE RECORD TO CLIENT DATABASE
836
840
RECORD FOUND ?
Y
WRITE RECORD TO ENTERPRISE DATABASE
842
N
COMMIT CHANGES TO ENTERPRISE DATABASE
844

FIG. 8B

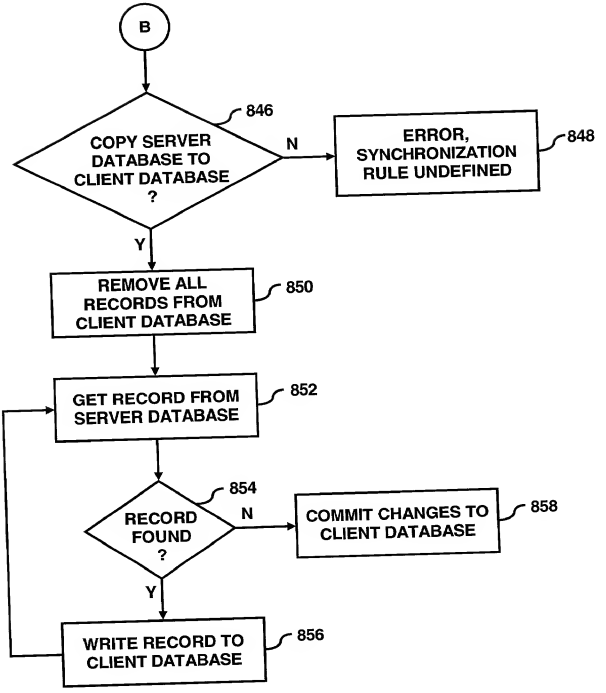
B
846
COPY SERVER DATABASE TO CLIENT DATABASE ?
N
ERROR, SYNCHRONIZATION RULE UNDEFINED
848
Y
REMOVE ALL RECORDS FROM CLIENT DATABASE
850
GET RECORD FROM SERVER DATABASE
852
854
RECORD FOUND ?
N
COMMIT CHANGES TO CLIENT DATABASE
858
Y
WRITE RECORD TO CLIENT DATABASE
856

FIG. 8C

T090TT*6285866

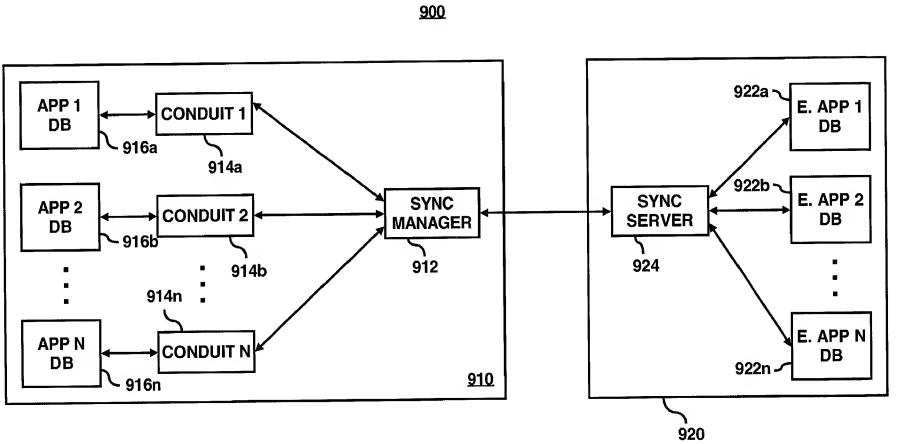

FIG. 9
PRIOR ART